

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 08/908,884

CRF Processing Date: 7/28/98
 Edited by:
 Verified by: (STIC staff)

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number input by the applicant was ☐ the prior application data; or ☐ other ENTERED
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☒ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☒ Inserted mandatory headings, specifically: added "TYPE: 2r MOLECULE" (Seq 28)
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/908,884DATE: 07/29/98
TIME: 19:34:33

INPUT SET: S27724.raw

#6/7R
09/03/98

This Raw Listing contains the General
Information Section and up to the first 5 pages.

ENTERED

SEQUENCE LISTING

1
2
3 (1) General Information
4
5 (i) APPLICANT: Dong et al.
6
7 (ii) TITLE OF INVENTION: ACQUIRED RESISTANCE GENES AND USES THEREOF
8
9 (iii) NUMBER OF SEQUENCES: 28
10
11 (iv) CORRESPONDENCE ADDRESS:
12 (A) ADDRESSEE: Clark & Elbing LLP
13 (B) STREET: 176 Federal Street
14 (C) CITY: Boston
15 (D) STATE: MA
16 (E) COUNTRY: USA
17 (F) ZIP: 02110
18
19
20 (v) COMPUTER READABLE FORM:
21 (A) MEDIUM TYPE: Diskette
22 (B) COMPUTER: IBM Compatible
23 (C) OPERATING SYSTEM: DOS
24 (D) SOFTWARE: FastSEQ for Windows Version 2.0
25
26 (vi) CURRENT APPLICATION DATA:
27 (A) APPLICATION NUMBER:
28 (B) FILING DATE:
29 (C) CLASSIFICATION:
30
31 (vii) PRIOR APPLICATION DATA:
32 (A) APPLICATION NUMBER: 60/023,851
33 (B) FILING DATE: August 9, 1996
34
35 (A) APPLICATION NUMBER: 60/035,166
36 (B) FILING DATE: January 10, 1997
37
38 (A) APPLICATION NUMBER: 60/046,769
39 (B) FILING DATE: May 16, 1997
40
41
42 (viii) ATTORNEY/AGENT INFORMATION:
43 (A) NAME: Elbing, Karen L
44 (B) REGISTRATION NUMBER: 35,238
45 (C) REFERENCE/DOCKET NUMBER: 00786/339004
46

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/908,884DATE: 07/29/98
TIME: 19:34:35

INPUT SET: S27724.raw

47 (ix) TELECOMMUNICATION INFORMATION:
48 (A) TELEPHONE: 617-428-0200
49 (B) TELEFAX: 617-428-7045
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51
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53 (2) INFORMATION FOR SEQ ID NO:1:
54
55 (i) SEQUENCE CHARACTERISTICS:
56 (A) LENGTH: 7548 base pairs
57 (B) TYPE: nucleic acid
58 (C) STRANDEDNESS: double
59 (D) TOPOLOGY: linear
60
61 (ii) MOLECULE TYPE: Genomic DNA
62
63 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
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68 TACAAAGGCT TTCGCAGTCT CGGCGTATGT GTATGTCTCG GGGTATCTAC CATTTGAATC 240
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70 TTTGCGTCTA CCAAAAACAG ACAGATTAAT TTTTCCAAAC CCGATACAAG TTTCGGGGTT 360
71 CTTGCATTGG ATATCACGGA ACAACAATGT GATCCGGTTT TGTCTCAAAA CCGAACTTGG 420
72 GTCCTTCTTC CATACTCCGA ACTCTGATGT TTTCTCAGGA TTAGTCAGAT ACGAAGGGAA 480
73 GCTAGGTGCT ATTCGTCAAGT GGACAAACAA AGATCAAGAA GATGTTTACG AGTTATGGGT 540
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78 AAGAAGCAAC GGGCCGACAC TTTAAAAAAA AAATAAAAAA AATGGGCCGA CAAATGCAAA 840
79 CGTAGTTGAC AAGGATCTCA AGTCTCAAGT CTCAATTGGC TCGCTCATTG TGGGGCATAA 900
80 ATATATCTAG TGATGTTTAA TTGTTTTTTA TAAGGTAAAA AGGAATATTG AATTTTGTGT 960
81 CTTAGGTTTA TGTAATAATA CCAAACATTG TTTTATGAAT ATTTAATCTG ATTTTTTGGC 1020
82 TAGTTATTTT ATTATATCAA GGGTTCCTGT TTATAGTTGA AAACAGTTAC TGTATAGAAA 1080
83 ATAGTGTCCT AATTTTCTCT CTAAATAAT ATATTAGTTA ATAAAAGATA TTTTAATATA 1140
84 TTAGATATAC AATAATATCT AAAGCAACAC ATATTTAGAC ACAACACGTA ATATCTTACT 1200
85 ATTGTTTACA TATATTTATA GCTTACCAAT ATAACCCGTA TCTATGTTTT ATAAGCTTTT 1260
86 ATACAATATA TGTACGGTAT GCTGTCCACG TATATATATT CTCCAAAAAA AACGCATGGT 1320
87 ACACAAAATT TATTAAATAT TTGGCAATTG GGTGTTTATC TAAAGTTTAT CACAATATTT 1380
88 ATCAACTATA ATAGATGGTA GAAGATAAAA AAATTATATC AGATTGATTG AATTAAATTT 1440
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95 TGATTATGCA GATTCCTTCT TCTTCTCAGT TTCCAGCAAC ATCGAGTCCG GAAAACACCA 1860
96 ATCAAGTGAA GGATGAGCCA AATTTGTTTA GACGTGTTAT GAATTTGCTT TTACGTCGTA 1920
97 GTTATTGAAA AAGCTGATTT ATCGCATGAT TCAGAACGAG AAGTTGAAGG CAAATAACTA 1980
98 AAGAAGCTTT TTATATGTAT ACAATAATTG TTTTAAATC AAATCCTAAT TAAAAAATA 2040
99 TATTCATTAT GACTTTCATG TTTTAAATGT AATTTATTCC TATATCTATA ATGATTTTGT 2100

RAW SEQUENCE LISTING PATENT APPLICATION US/08/908,884

DATE: 07/29/98
TIME: 19:34:36

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103	TTATCATTTT	ACTTCAAAGA	AAATAAACAG	AAATGTAACT	TTCACATGTA	AATCTAATTC	2340
104	TTAAATTTAA	AAAATAATAT	TTATATATTT	ATATGAAAAAT	AACGAACCGG	ATGAAAAATA	2400
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114	CCAACAGCTT	CGAATCCGTC	TTTGACTCGC	CGGATGATTT	CTACAGCGAC	GCTAAGCTTG	3000
115	TTCTCTCCGA	CGGCCGGGAA	GTTTCTTTCC	ACCGTGCGT	TTTGTCAGCG	AGAAGCTCTT	3060
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RAW SEQUENCE LISTING
PATENT APPLICATION US/08/908,884DATE: 07/29/98
TIME: 19:34:38

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167	GTAGCCCAT	AATGAGTGA	AATGCAGCCA	ATTAGTTTAG	GCAATACTCT	GAAACTCTGA	6180
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178	ACCCGTTACT	GTTACCCACT	CCCTGAACCT	CTAAACCATT	ATCTCTCTCT	ACTTTCACAG	6840
179	ATGCATGTGA	CACATAATCA	GTAGCTTCTT	GGGGTTGTTG	CGTCCTCTGT	GTATTCGAGG	6900
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184	AATCCAAAAA	TTGGATAAAG	ACCATTCAAC	AATGTACTTA	ACGCAGTCTT	TTGCCATAACC	7200
185	TTGACCGTTT	TAGGAGTGGA	TCCTTCATAG	TAAACACCAT	CAGGACCATA	CTTGGTAGAA	7260
186	CCTTTCTCTC	AAGGTTTCCA	TCGCCATGAC	CATAACAGTC	CTGCAGTGAA	TTCTAAGAAA	7320
187	AATGTAAAAA	ATTTTGGCCT	AAACTCATAA	TTCTTAACAT	ACGAAACCAT	GGAGAACTCC	7380
188	ATGTCTAAAA	AATAAAGGCT	AAAGCTTTTT	GGCGACAGAA	GCAGATAAAT	CCATTCAAAA	7440
189	CACATAAACT	CTAAACAATA	AACAGTGATA	CTCAATACTA	AGACTTGTA	AGGTCTACGT	7500
190	AACTCAAAAC	TGGAGAATTG	TCAGATCGGG	TGTGGCTAGT	AGAAGCTT		7548

191

192 (2) INFORMATION FOR SEQ ID NO:2:

193

194 (i) SEQUENCE CHARACTERISTICS:

195 (A) LENGTH: 2104 base pairs

196 (B) TYPE: nucleic acid

197 (C) STRANDEDNESS: double

198 (D) TOPOLOGY: linear

199

200 (ii) MOLECULE TYPE: cDNA

201 (ix) FEATURE:

202

203 (A) NAME/KEY: Coding Sequence

204 (B) LOCATION: 93...1871

205 (D) OTHER INFORMATION:

RAW SEQUENCE LISTING PATENT APPLICATION US/08/908,884

DATE: 07/29/98
TIME: 19:34:39

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207
208 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
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212 Met Asp Thr Thr Ile Asp Gly
213 1 5
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215 TTC GCC GAT TCT TAT GAA ATC AGC AGC ACT AGT TTC GTC GCT ACC GAT 161
216 Phe Ala Asp Ser Tyr Glu Ile Ser Ser Thr Ser Phe Val Ala Thr Asp
217 10 15 20
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219 AAC ACC GAC TCC TCT ATT GTT TAT CTG GCC GCC GAA CAA GTA CTC ACC 209
220 Asn Thr Asp Ser Ser Ile Val Tyr Leu Ala Ala Glu Gln Val Leu Thr
221 25 30 35
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223 GGA CCT GAT GTA TCT GCT CTG CAA TTG CTC TCC AAC AGC TTC GAA TCC 257
224 Gly Pro Asp Val Ser Ala Leu Gln Leu Leu Ser Asn Ser Phe Glu Ser
225 40 45 50 55
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228 Val Phe Asp Ser Pro Asp Asp Phe Tyr Ser Asp Ala Lys Leu Val Leu
229 60 65 70
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231 TCC GAC GGC CGG GAA GTT TCT TTC CAC CGG TGC GTT TTG TCA GCG AGA 353
232 Ser Asp Gly Arg Glu Val Ser Phe His Arg Cys Val Leu Ser Ala Arg
233 75 80 85
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235 AGC TCT TTC TTC AAG AGC GCT TTA GCC GCC GCT AAG AAG GAG AAA GAC 401
236 Ser Ser Phe Phe Lys Ser Ala Leu Ala Ala Ala Lys Lys Glu Lys Asp
237 90 95 100
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239 TCC AAC AAC ACC GCC GCC GTG AAG CTC GAG CTT AAG GAG ATT GCC AAG 449
240 Ser Asn Asn Thr Ala Ala Val Lys Leu Glu Leu Lys Glu Ile Ala Lys
241 105 110 115
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243 GAT TAC GAA GTC GGT TTC GAT TCG GTT GTG ACT GTT TTG GCT TAT GTT 497
244 Asp Tyr Glu Val Gly Phe Asp Ser Val Val Thr Val Leu Ala Tyr Val
245 120 125 130 135
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247 TAC AGC AGC AGA GTG AGA CCG CCG CCT AAA GGA GTT TCT GAA TGC GCA 545
248 Tyr Ser Ser Arg Val Arg Pro Pro Pro Lys Gly Val Ser Glu Cys Ala
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251 GAC GAG AAT TGC TGC CAC GTG GCT TGC CGG CCG GCG GTG GAT TTC ATG 593
252 Asp Glu Asn Cys Cys His Val Ala Cys Arg Pro Ala Val Asp Phe Met
253 155 160 165
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255 TTG GAG GTT CTC TAT TTG GCT TTC ATC TTC AAG ATC CCT GAA TTA ATT 641
256 Leu Glu Val Leu Tyr Leu Ala Phe Ile Phe Lys Ile Pro Glu Leu Ile
257 170 175 180
258

INPUT SET: S27724.raw

***** PREVIOUSLY ERRORED SEQUENCES - EDITED *****

946 (2) INFORMATION FOR SEQ ID NO:28:

947

948 (i) SEQUENCE CHARACTERISTICS:

949 (A) LENGTH: 21 base pairs

950 (B) TYPE: nucleic acid

951 (C) STRANDEDNESS: single

952 (D) TOPOLOGY: linear

953

954 (ii) MOLECULE TYPE: DNA

955 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:28:

956

957 RAAATCRCAN GTNCCYTTCA T

21

958

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/908,884

DATE: 07/29/98
TIME: 19:34:43

INPUT SET: S27724.raw

Line	Error	Original Text
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Bui

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/908,884

1649

DATE: 07/28/98
TIME: 13:26:31

INPUT SET: S27724.raw

This Raw Listing contains the General
Information Section and those Sequences
containing ERRORS.

Does Not Comply
Corrected Diskette Needed

SEQUENCE LISTING

1
2
3 (1) General Information
4
5 (i) APPLICANT: Dong et al.
6
7 (ii) TITLE OF THE INVENTION:
8 ACQUIRED RESISTANCE GENES AND USES THEREOF
9
10 (iii) NUMBER OF SEQUENCES: 28
11
12 (iv) CORRESPONDENCE ADDRESS:
13 (A) ADDRESSEE: Clark & Elbing LLP
14 (B) STREET: 176 Federal Street
15 (C) CITY: Boston
16 (D) STATE: MA
17 (E) COUNTRY: USA
18 (F) ZIP: 02110
19
20
21 (v) COMPUTER READABLE FORM:
22 (A) MEDIUM TYPE: Diskette
23 (B) COMPUTER: IBM Compatible
24 (C) OPERATING SYSTEM: DOS
25 (D) SOFTWARE: FastSEQ for Windows Version 2.0
26
27 (vi) CURRENT APPLICATION DATA:
28 (A) APPLICATION NUMBER:
29 (B) FILING DATE:
30 (C) CLASSIFICATION:
31
32 (vii) PRIOR APPLICATION DATA:
33 (A) APPLICATION NUMBER: 60/023,851
34 (B) FILING DATE: August 9, 1996
35
36 (A) APPLICATION NUMBER: 60/035,166
37 (B) FILING DATE: January 10, 1997
38
39 (A) APPLICATION NUMBER: 60/046,769
40 (B) FILING DATE: May 16, 1997
41
42
43 (viii) ATTORNEY/AGENT INFORMATION:
44 (A) NAME: Elbing, Karen L
45 (B) REGISTRATION NUMBER: 35,238

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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/908,884

DATE: 07/28/98
TIME: 13:26:34

INPUT SET: S27724.raw

Line	Error	Original Text
7	Mandatory Value Not Present	(ii) TITLE OF THE INVENTION:
955	Unknown or Misplaced Identifier	(ii) MOLECULE DNA



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